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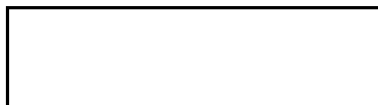


DIRECTORATE OF
INTELLIGENCE

Imagery Analysis Service Notes

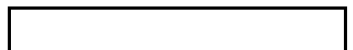
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31 July 1970

CENTRAL INTELLIGENCE AGENCY
Directorate of Intelligence
Imagery Analysis Service

IMAGERY ANALYSIS SERVICE NOTES NO. 21/70

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25X1USSRNo Sign of Deactivation Seen in Hard MRBM and IRBM Force

IAS has reviewed the most recent photography on all of the 21 hard MRBM and 17 hard IRBM sites in the USSR in order to determine whether there has been any sign of their deactivation. These sites were deployed in the early 1960s and incorporate the SS-4 and SS-5 missile systems. At none of the sites was evidence of deactivation observed, and in many cases there were definite indications of continued activity. Nearly half the sites have been photographed [REDACTED] Almost all of the remainder were seen [REDACTED]

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The chief photographic indicators we sought were the presence or absence of missile-related equipment or any evidence of site abandonment such as the dismantling of key structures. Thus far in 1970, missile-related equipment has been seen at 17 of the 38 sites. Such equipment was seen at 9 other sites during [REDACTED] Of the remaining 12 sites, 9 have been seen in [REDACTED] and, although the quality of the photography did not permit positive identification of missile-related equipment, it was good enough to tell that no key structures had been dismantled. Three sites were last seen on good-quality photography in [REDACTED] at that time they appeared active, with vehicles or missile-related equipment present and no sign of dismantling.

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CHINAExplosives Plant Dismantled Near the Soviet Border in Manchuria

During the past year the Chinese have dismantled the Mi-shan Ammunition and Explosives Plant, which produced conventional propellants used in such things as grenades and shells for small arms and artillery. It was one of only six known conventional propellant plants in China. The Mi-shan plant, located in Manchuria about 10.5 nm from the Soviet border, consisted of a probable high explosives production plant and a probable single-base propellant production and loading area.

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Photography of [] showed that the Mi-shan plant was operating, and no evidence of dismantling was apparent (see Figure 1). When next seen, in [] the steam plant was no longer in operation and several buildings had been removed. By [] numerous buildings, the steam and acid pipelines, and the liquid storage tanks had been removed, and the plant had a generally abandoned appearance. 25X1D

If this plant is being reconstructed elsewhere in China, the location is unknown.

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CHINALargest Chinese Rotary Cement Kilns Identified

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In [REDACTED], the two largest rotary cement kilns identified to date in China were being installed in a new cement plant southwest of Lo-shan in Szechwan Province. Each of the kilns measures approximately 565 by 15 feet and has an estimated annual production capacity of 300,000 to 400,000 tons of cement. Their combined total capacity represents about 5 percent of China's present estimated annual production.

This plant was started between [REDACTED] and was in a late stage of construction when last seen in photography of [REDACTED]. It is served by a new spur from the rail line which is being built between Cheng-tu and Kun-ming.

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The plant is probably of Chinese design and manufacture. No recent cement plant purchases by China are known, and in [REDACTED] the Chinese press stated that a kiln with a similar production capacity was being fabricated in Lan-chou.

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